IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Masao SHIMIZU, et al.) Re: Information Disclosure
)   Statement
U.S. Appln. No.: not yet assigned   )
) Group: not yet assigned
)
U.S. Filing Date: concurrently   ) Examiner: not yet assigned
              herewith   )
)
International Application No:)
     PCT/JP2003/013874   )
International Filing Date:)
     29 October 2003   ) Our Ref.: B-5770PCT 622825-8
)
For: "MULTIPARAMETER HIGH PRECISION   )
CONCURRENT ESTIMATION METHOD AND   )
MULTIPARAMETER HIGH PRECISION   )
CONCURRENT ESTIMATION PROGRAM IN   )
IMAGE SUBPIXEL MATCHING"   ) Date: July 13, 2005

MAIL STOP PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Attn: United States Designated/Elected Office (DO/EO/US)

Sir:

In accordance with the Applicant's duty to disclose information which
may be material to the examination of this application, the
undersigned respectfully requests that the Examiner consider on the
merits the documents listed on the enclosed Form PTO-1449 (modified)
before issuing the first Office Action on the merits.

The documents listed in the enclosed Form PTO-1449 (modified) include
the documents cited in the PCT International Search Report of the
subject PCT application. Copies of the PCT International Search
Report and the documents cited on the enclosed Form PTO-1449
(modified) are also enclosed herewith.

The filing of this Information Disclosure Statement shall not be
construed as a representation that a search has been made (37 C.F.R.
1.97(g)), an admission that the information cited is, or is

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considered to be, material to patentability, or that no other material information exists.

The filing of this Information Disclosure Statement shall not be construed as an admission against interest in any manner. (Notice of January 9, 1992, 1135 O.G. 13-25, at 25.)

The person making this statement is the practitioner who signs below on the basis of information supplied by an individual associated with the filing and prosecution of this application (37 C.F.R. § 1.56(c)) and on the basis of information in the practitioner's file.

If any fees are due, please charge our Deposit Account No. 12-0415 or credit any overpayment to our Account No. 12-0415. No fees should be due because this Information Disclosure Statement is being filed concurrently with the above-identified U.S. patent application.

Respectfully submitted,

Mavis S. Gallenson
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Enclosures: Form PTO-1449 (modified) (2 pages)
            copy of International Search Report (3 pages)
            copies of documents listed in Form PTO-1449 (modified)

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LIST OF PATENTS AND PUBLICATIONS STATEMENT	INTERNATIONAL APPLICATION NO. PCT/JP2003/013874	INTERNATIONAL FILING DATE 29 October 2003
	APPLICANT(S) Masao SHIMIZU, et al.	
	FILING DATE Concurrently herewith	GROUP Not yet assigned

July 13, 2005   **U.S. PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	ISSUE DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		n/a					

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO
		5-120436	5/1993	JP			Abstract
		10-124666	5/1998	JP			Abstract
		7-129770	5/1995	JP			Abstract

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Shimizu, M. and M. Okutomi, "Koseido Subpixel Suitei Hoho no PIV Gazo eno Tekiyo (An Application of New Precise Sub-Pixel Estimation Method to PIV Images)", *Journal of the Visualization of Society of Japan*, Vol. 21, No. 1, pp. 35-38 (July 2001) with English-language abstract.
		Shimizu, M. and M. Okutomi, "Precise Sub-Pixel Estimation on Area-Based Matching," *Paper of the Institute of Electronics, Information and Communication Engineers of Japan D-II*, Vol. J84-D-II, No. 7, pp. 1409-1418 (June 2001) with English-language abstract.
		Shimizu, M. and M. Okutomi, "Significance and Attributes of Sub-Pixel Estimation on Area-Based Matching," *aper of the Institute of Electronics, Information and Communication Engineers of Japan D-II*, Vol. J85-D-II, No. 12, pp. 1791-1800 (December 2002) with Englsih-language abstract.

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		Shimizu, M. and M. Okutomi, "Precise Sub-Pixel Estimation on Area-Based Matching," *Proc. 8th IEEE International Conference on Computer Vision (ICCV2001)*, Vancouver, Canada, pp. 90-97, (July 2001).
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		Davis, C., et al., "Equivalence of Subpixel Motion Estimators Based on Optical Flow and Block Matching," *IEEE International Symposium for Computer Vision*, Coral Gables, Florida, pp. 7-12 (November 21-23, 1995).
		Timoner, S.J. and D.M. Freeman, "Multi-Image Gradient-Based Algorithms for Motion Estimation," *Optical Engineering*, Vol. 40, No. 9, pp. 2003-2016 (March 29 2001).
		Brandt, J., "Improved Accuracy in Gradient-Based Optical Flow Estimation," *International Journal of Computer Vision*, Vol. 25, No. 1, pp. 5-22 (1997).
		Tian, Q. and M. Huhns, "Algorithms for Subpixel Registration," *Computer Vision, Graphics, and Image Processing*, Vol. 35, pp. 220-233 (1986).
		Borman, S., "Block-Matching Sub-Pixel Motion Estimation from Noisy, Under-Sampled Frames - An Empirical Performance Evaluation," *SPIE Visual Communications and Image Processing*, 10 pages (1999).

EXAMINER	*DATE CONSIDERED*

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.